

Refrigerator grease composition

Publication number: CN1470626

Publication date: 2004-01-28

Inventor: TAKA KAIKOME (JP); HITOSHI TAKAHASHI (JP)

Applicant: JAPAN ENERGY CORP (JP)

Classification:

- **International:** C10M101/02; C10M127/00; C10N20/00; C10N20/02;
C10N40/30; C10M101/00; C10M127/00; (IPC1-7):
C10M127/00

- **European:**

Application number: CN20031048634 20030612

Priority number(s): JP20020174113 20020614

Also published as:

 JP2004018631 (A)

 CN100383226C (C)

[Report a data error](#) [help](#)

Abstract not available for CN1470626

Abstract of corresponding document: **JP2004018631**

PROBLEM TO BE SOLVED: To provide a refrigerator oil composition which hardly forms sludge at the delivery valve of a compressor even when being used for a long period of time and can suppress abrasion at a sliding part, enabling a refrigerator to stably operate for a long period of time.

SOLUTION: The refrigerator oil composition is characterized as follows: the fractions of <=300[deg.]C boiling point and >=500[deg.]C boiling point are 5-30 wt.% and 5-35 wt.%, respectively, according to a gas chromatographic distillation test; 20% distillation temperature is >=250[deg.]C according to the same test; %Cp by an n-d-M ring analysis is >=35%; a nitrogen content is <=10 ppm; a pour point is <=-20[deg]C and a kinetic viscosity at 40[deg.]C is 7-150 mm²/s.

COPYRIGHT: (C)2004,JPO

Data supplied from the esp@cenet database - Worldwide

[19] 中华人民共和国国家知识产权局

[51] Int. Cl⁷
C10M127/00

[12] 发明专利申请公开说明书

[21] 申请号 03148634.7

[43] 公开日 2004年1月28日

[11] 公开号 CN 1470626A

[22] 申请日 2003.6.12 [21] 申请号 03148634.7

[30] 优先权

[32] 2002.6.14 [33] JP [31] 2002-174113

[71] 申请人 日本能源株式会社

地址 日本东京

[72] 发明人 开米贵 高桥仁

[74] 专利代理机构 上海专利商标事务所
代理人 胡 烨

权利要求书1页 说明书5页

[54] 发明名称 冷冻机油组合物

[57] 摘要

本发明提供一种冷冻机油组合物，即使长期使用，在压缩机排出阀上也几乎不生成油泥，且能够抑制滑动部的磨损，能够长期稳定地使冷冻机工作。该冷冻机油组合物，利用气相色谱法的蒸馏试验方法测得沸点在300℃以下的馏分为5-30重量%，沸点在500℃以上的馏分为5-35重量%，利用相同方法，测得20%馏出温度在250℃以上，n_{d - M}环分析的% C_p在35%以上、含氮量在10ppm以下，流动点为-20℃以下，40℃的运动粘度为7-150mm²/s。

ISSN 1008-4274

知识产权出版社出版

| |
|--------------|
| FP05-0046-00 |
| CN-NM |
| 08.8.15 |
| QA |